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Research news

May, 1979
VOLUME XI No. 11

Office of Research Services
Wright State University
Dayton, Ohio 45435

ANNOUNCEMENTS OF GENERAL INTEREST

Workshops were recently attended that were conducted by officers and staff of the National Institutes of Health and National Science Foundation. Some of the workshop highlights that may be of interest to the University community are presented.

NATIONAL SCIENCE FOUNDATION

A. Accountability

Congress is taking a hard look at research performed at Universities. Congressional initiated pressures regarding accountability are being passed on to universities by NSF. At congressional hearings difficult questions are being asked that indicate a real concern about faculty consulting and time and effort reporting. Institutions must monitor and be accountable for faculty research time. Clear consulting policies must address, for example, maximum number of days faculty can be engaged in consulting activities; how much time faculty can spend away from their academic duties; monthly summer salary rates on grants and contracts must match institutional rates; consulting at the same time full salary is being received on grants or contracts ("double salary".) Both the National Science Foundation and the National Institutes of Health are now auditing faculty time at universities on a random basis.

B. Master Grant Concept

NSF is experimenting with certain universities to allow them to pool funds from several NSF grants to ensure continuous funding, and to buy equipment that they would not be able to buy with a single grant.

C. Three-year Grants

NSF is going to award more three-year grants than in the past. Two-year grants used to be the time frame of choice. It is proposed that these grants would have a continuing budget for three years, with no interim peer review. This will reduce the paper workload and minimize reporting. The three-year grant coincides better with the thesis life-span of a graduate student.

D. Page Limitation

NSF has recently imposed a page-limitation of 15 single-spaced typewritten pages for the narrative section of the proposal.

NATIONAL INSTITUTES OF HEALTH

A. Favored Areas of Research

The National Cancer Institute will give higher priority to research on 1) immune systems; 2) nutrition; and 3) rehabilitation terminally ill.

B. Less-Favored Areas of Research

Viral oncology is now a low priority area of cancer research.

C. Revision of Public Health Service Application Forms

The NIH workload is growing at a rapid rate. Last year 25,000 proposals were submitted. Consequently, PHS Form 398 will be revised and a page limitation on the scientific narrative will appear sometime in 1979.

D. A New Type of Announcement (The RFA)

Request for Grant Application is a one-time announcement in a specific area.

E. Obtaining Summary Statements

Summary statements can be obtained 30 days after the study section meets and before the Advisory Council meets. This will allow principal investigators to reply to the Study Section review before the Advisory Council assigns the priority score.

F. Now is the time to nominate women to study sections. NIH is trying to raise the number of women on study sections.

GRANTS ASSOCIATES PROGRAM

PUBLIC HEALTH SERVICE

Scientists interested in an administrative career with Federal programs supporting research, training, and services in health-related fields may wish to consider the Grants Associates Program of the U.S. Public Health Service. The program is governed by the Grants Associates Board and is administered by the Division of Research Grants, National Institutes of Health.

The program prepares each Grants Associate for a responsible position in health science administration in the Federal government. For a 12-month period, the Grants Associate participates in an individually structured training experience including on the job assignments, courses, and seminars. The program provides opportunities for participation in the development and administration of policies in Federal support of health related research, and in the fundamentals of effective management. The program also attempts to develop a sensitivity to the consequences of program decisions on other Federal health programs, research institutions, and national health needs.

If you are a U.S. citizen and hold a doctorate or equivalent in a discipline related to the biomedical or behavioral sciences, have significant independent research experience beyond the doctorate (but need not have administrative experience) and are attracted to health science administration as a profession, you should inquire about the Grants Associates Program.

EXTRAMURAL FUNDING OPPORTUNITIES

For further information concerning these listed opportunities of information in general concerning grants and contracts, call the Office of University Research Services, Room 222 Allyn Hall, Phone 2425 or 2426.

When requesting information on listed opportunities, refer to the number on the left of each listing.

- 11-1 NATIONAL SCIENCE FOUNDATION
DEADLINE JUNE 1, 1979

Public Understanding of Science

- 11-2 NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT - DEADLINE JUNE 14, 1979 RFP #NICHD-CEB-79-7

Epidemiologic/Clinical Studies of Vasectomy and Atherosclerosis

The Contraceptive Evaluation Branch of the Center for Population Research, NICHD, is seeking proposals for epidemiologic and/or clinical studies to determine whether or not vasectomy increases the risk of atherosclerotic disease in man, to determine the magnitude of such an increase if it occurs, and to identify the characteristics of individuals at special risk in terms of age, time since vasectomy, and known risk factors for cardiovascular disease.

- 11-3 NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT - DEADLINE JUNE 12, 1979 RFP #NICHD-CD-79-13

Clinical Pharmacology of LH/FSH-RH Analogs

The Contraceptive Development Branch of the Center for Population Research, NICHD, is interested in supporting Phase I and II clinical studies and drug safety studies on LH/FSH-RH analogs in order to conclusively demonstrate the potential of these drugs as safe and effective antioviulatory, luteolytic and antispermatogetic agents.

- 11-4 NATIONAL CANCER INSTITUTE - DEADLINE JUNE 1, 1979 RFP N01-CM-97293-14

Synthesis of Nucleosides as Potential Anticancer Agents

NIH is seeking organizations that have resources and facilities for the synthesis of unique nucleosides as potential anticancer agents. The objective of this project is the rational design and synthesis of potential inhibitors of key enzymes involved in the salvage pathway and de novo biosynthetic pathways to nucleic acids.

- 11-5 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE - DEADLINE MAY 31, 1979
RFP NHLBI-OD-79-22

Health Hazard Appraisal in Industry

The Health Education Branch, Office of Prevention, Education, and Control, NHLBI, is soliciting proposals to: 1) Identify and describe types of Health Hazard Appraisal Programs used in non-government industry and characterize the uses and the extent to which Health Hazard Appraisal serves as a basis for planning, operating or evaluating cardiovascular risk reduction programs, 2) Document the extent to which Health Hazard Appraisal, as an intervention tool, changed or has impacted upon cardiovascular risk factors, 3) Describe the approaches used in industry which document changes in work loss days, insurance premiums, and morbidity or mortality rates relating to Health Hazard Appraisal efforts.

- 11-6 NATIONAL CANCER INSTITUTE - DEADLINE JUNE 1, 1979 RFP NCI-CM-97291

Administrative and Statistical Support for the Endometrial Carcinoma Contracts Program

The National Institutes of Health is seeking an organization having capabilities and facilities for monitoring, coordinating, preparing and maintaining materials and reports, as well as serving as the statistical center for the Endometrial Carcinoma Contracts Program.

- 11-7 NATIONAL CANCER INSTITUTE - RFP AVAILABLE MAY 1979 (DEADLINE FOR PROPOSALS WILL BE 45 OR MORE DAYS AFTER THE PUBLISHED OPENING DATE) N01-CN-95457-45

Community Hospital Oncology Program

Contract proposals are needed to field test a model for the multi-disciplinary clinical oncology program approach to community cancer program development. It is the intent of DCCR to conduct the test in three categories of community cancer care settings. These categories are: (a) multi-hospital cooperative (community-wide) programs; (b) small community programs; and (c) single hospital programs.

- 11-8 NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT - SYNOPSIS # 79-18

Request for Qualifications Statement

The Contraceptive Evaluation Branch, Center for Population Research, NICHD, is seeking to identify organizations capable of conducting a case-control study of infertility in women, with emphasis on evaluation of the relationship between birth control practices (use of intrauterine devices, elective abortion, oral contraceptives, etc.) and the occurrence of subsequent undesired infertility. The study will involve a protocol development phase, a data collection phase, and a data analysis phase.

- 11-9 CENTER FOR DISEASE CONTROL RFP 200-79-0923 DEADLINE MAY 31, 1979

Nutrition Education for the Elderly

A contractor to develop a training manual to teach elderly persons to serve as nutrition peer counselors for other elderly persons, to conduct a training program & evaluate the effectiveness of the manual and the training program.

11-10 PUBLIC HEALTH SERVICE-DHEW

National Health Service Corps Scholarships

Public Health Service has announced that for academic year 1979-80, in addition to students of medicine, osteopathy and dentistry, support is available under the National Health Service Corps Scholarship Program to students enrolled in: 1) baccalaureate degree programs in pharmacy and nursing; 2) master's degree programs in community health nursing, nurse practitioner education, nurse midwifery, and public health nutrition; and 3) doctorate degree programs in podiatry, optometry and veterinary medicine.

11-11 HEALTH SERVICES ADMINISTRATION RFP HSA 240-BCHS-51-(9)

Family Planning Education for Teenagers

Development of a family planning education booklet for teenagers on non-prescription methods of contraception, fertility awareness, and abstinence is being sought by Health Services Administration. This project will seek to plan, develop and design five prototype materials to meet information and educational needs of HSA's family planning program. These materials will be used in family planning clinics, private physicians' offices, health clinics in schools, and in distribution to teenagers requesting information.

11-12 ADMINISTRATION ON AGING - DEADLINE JUNE 22, 1979

Research Grants on Aging

Doctoral candidates who are working on dissertations on a subject relating to the elderly may be eligible for a research fellowship. Academic disciplines eligible for support include sociology, economics; social work, political science, social gerontology, public administration or other social sciences.

11-13 HEALTH CARE FINANCING ADMINISTRATION - DEADLINE JUNE 4, 1979

Health Financing Research and Demonstration

Grants available to develop or demonstrate new financing mechanisms or controls, management or administrative procedures, service delivery concepts or technological innovations designed to improve HCFA programs, or develop knowledge about the basic nature of costs and inflation in the health care field or the economic and behavioral relationships between health care financing methods and the activities in the health care sector.

11-14 BUREAU OF HEALTH MANPOWER - DEADLINE JULY 1, 1979

Nursing Special Project Grant

Grants are available to assist in the merge between hospital training programs or between hospital and academic institution training programs and also to support other cooperative approaches to nurse training programs.

- 11-15 NATIONAL CANCER INSTITUTE - DEADLINE JULY 1, 1979

Diet and Nutrition in Cancer Etiology and Prevention

Diet, Nutrition and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation and Training - The Division of Cancer Cause and Prevention encourages the submission of research grant applications in the broad areas of diet and nutrition, as these might be related to the: (a) etiology of cancer and (b) prevention of cancer.

- 11-16 NATIONAL CANCER INSTITUTE - DEADLINE JULY 1, 1979

Diet and Nutrition in Cancer Treatment

Grant applications are invited for clinical and preclinical research in the general areas of anorexia, cachexia metabolism (including etiology and pathogenesis), nutritional supplementation, and the nutritional complications of antineoplastic therapy.

- 11-17 NATIONAL CANCER INSTITUTE - DEADLINE JULY 1, 1979

Training in Diet and Nutrition Cancer Research

Two programs - Individual Postdoctoral Fellowships and Institutional Training Grants provide full-time long-term support to promising individuals and well-qualified institutions through the National Research Service Act. Additionally, the Cancer Research Career Development Program provides support for individuals with demonstrated research potential who require additional experience in preparation for careers in independent research.

- 11-18 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE - DEADLINE JULY 1, 1979

Young Investigator Research Grants

This new grant program is open to investigators with doctoral degree who have not been principal investigators for a research grant or contract.

- 11-19 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE - DEADLINE JULY 1, 1979

Pulmonary Ciliary Structure and Function

Research grant applications are encouraged to focus on in vivo or in vitro studies of the structure and function of normal mammalian cilia from the upper or lower respiratory tract.

- 11-20 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE - JULY 1, 1979

Membrane Transport in the Lung

Research grants will support projects that focus on mechanism for transport of water, electrolytes, endogenous compounds, drugs, and macromolecules across membranes of cells in the interstitium.

- 11-21 NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES -
DEADLINE JULY 1, 1979

Endocrinology Program

Grants to support basic and applied research into the mechanisms and causes of endocrine function and dysfunction.

- 11-22 NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES -
DEADLINE JULY 1, 1979 RFA

Liver Biliary Tract and Exocrine Pancreas

Grants available for research in the causes, prevention, diagnosis and treatment of diseases of the liver and biliary tract, including chronic hepatitis, fibrosis, cirrhosis, cholestasis, vascular lesions of the liver, metabolic disorders of the liver, diseases of the gallbladder and extrahepatic bile ducts, biliary atresia, bilirubinemia and gallstones.

- 11-23 NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES -
DEADLINE JULY 1, 1979

Research in Kidney Disease and Urology Program

Research grant applications in both fundamental and clinical investigation into the mechanisms and diseases responsible for end-stage renal disease, its complications and all aspects of treatment, including dialysis and transplantation; specific immune mechanisms of kidney disease (such as glomerulonephritis, interstitial nephritis, pyelonephritis, etc.), polycystic renal disease, benign prostatic hyperplasia, obstructive disorders of the urinary tract, urolithiasis, neurogenic bladder, analgesic "associated" nephropathy, and other drug and environmental toxins that cause adverse effects on the kidney as well as ongoing interest in studies of solute and water excretion as regulated by metabolic transport and fluid electrolyte mechanisms.

- 11-24 NATIONAL SCIENCE FOUNDATION - DEADLINE JUNE 1, 1979

SEED

Scientists and Engineers in Economic Development

- 11-25 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE - DEADLINE OCTOBER 1, 1979

Clinical Investigator Award

The NHLBI announces the availability of clinical investigator awards. The clinical investigator award program is intended to: 1) encourage newly trained clinicians to develop clinical and basic research interests and skills in the areas of cardiovascular, pulmonary, or blood diseases and blood resources; 2) increase the pool of physician investigators in the areas of cardiovascular, pulmonary, or blood diseases and blood resources.

11-26 FOGARTY INTERNATIONAL CENTER - NIH NO DEADLINE

Health Scientist Exchange Programs with Poland, Romania, Union of Soviet Socialist Republics, Yugoslavia

The Fogarty International Center, NIH, administers joint cooperative programs with the short- and long-term exchange of health and biomedical scientists with the above countries. In general, costs are shared through support of international travel by the sending side and in-country costs by the receiving side. Duration of visits may be from one to twelve months, depending on the program and nature of the work to be accomplished.

11-27 FOGARTY INTERNATIONAL CENTER - NIH NO DEADLINE

French National Center for Scientific Research Program for Biomedical Scientific Cooperation

Under an agreement between the U.S. National Institutes of Health and the French National Center for Scientific Research, the two organizations share in the support of well-qualified U.S. scientists selected to work at laboratories in France and similar French scientists selected to work at U.S. laboratories.

11-28 NATIONAL CANCER INSTITUTE - DEADLINE JULY 1, 1979

Patterns of Care in Oncology

The Division of Cancer Control and Rehabilitation is now accepting grant proposals from organizations with the capability to determine existing patterns and standards of cancer management for one or more of the common cancers. Proposals should be limited to what could reasonably be accomplished on a regional basis (i.e. the smallest area that will provide statistically valid results) and regarded as a "pilot" study for potential expansion to a national program. The applicant shall select one or a group of cancers diagnosed and treated within a medical specialty or managed primarily by one specialty. The application shall define the scope of the assessment in terms of specialties and interventions involved and the rationale for the selection.

11-29 NATIONAL INSTITUTES OF HEALTH - DEADLINE JULY 1, 1979

Studies of Legionnaires' Disease

In an effort to stimulate and broaden the scope of research in the U.S. on this disease problem, the National Institute of Allergy and Infectious Diseases is inviting grant applications from highly-motivated researchers who wish either to expand their ongoing research to include studies on Legionnaires' Disease, or to initiate entirely new research on problems posed by Legionnaires' Disease.

The areas of research interest to the NIAID are broad and can include any or all of the following: clinical disease manifestation; therapy, pathology; biology of the causal organism, including cultural characteristics, biochemical properties, ultrastructure and morphology, antigenic relationships and antigen composition; the ecological niche of the causal organism; animal model systems; pathogenesis; role of toxic or other virulence factors; immunology and host-parasite interactions; cellular immune responses; epidemiology; diagnostic methods including serological, cultural, etc.

- 11-30 NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT - DEADLINE JULY 1, 1979

Implications of Sustained Low Fertility

The Population and Reproduction Grants Branch of the Center for Population Research supports research on biomedical aspects of reproduction and on the behavioral and social aspects of the antecedents and consequences of population change. The Population and Reproduction Grants Branch hopes through this announcement to stimulate research grant applications for investigations of the implications of sustained low fertility.

- 11-31 NATIONAL SCIENCE FOUNDATION - DEADLINE JULY 31, 1979

Psychobiology

The Psychobiology Program considers proposals for research on behavior and its genetic, environmental, hormonal and motivational determinants. The Program supports field and laboratory studies that use a wide range of observational, experimental, theoretical, comparative and quantitative approaches.

- 11-32 THE NATIONAL FOUNDATION/MARCH OF DIMES - DEADLINE AUGUST 1, 1979

The National Foundation is interested in supporting high-quality research that can be accommodated by its current programs. These are: 1) Clinical research, 2) Basic research, 3) Social and Behavioral Sciences, 4) Basil O'Connor Starter Research Grants - The Basic O'Connor Grants Program is designed for young M.D.'s and Ph.D.'s who are interested in embarking on independent careers involving a substantial commitment to birth defects research. Grants will not exceed \$25,000 and will be made to the sponsoring institution. These grants will cover such items as technical assistance, small equipment and supplies, they will not cover any part of the principal investigator's salary. The deadline for this program has not been established.

- 11-33 NATIONAL SCIENCE FOUNDATION - DEADLINE AUGUST 15, 1979

Research in Economics

The Economics Program supports research directed toward improving understanding of the basic processes and institutions of the U.S. economy as well as the world system of which it is a part, especially where the results will be applicable to problems of general interest and importance. To achieve this goal, both the theoretical foundations of economics and the methods for analyzing and modeling economic behavior must be strengthened. Better measurements of crucial economic relationships along with a continuing improvement in their quantitative analysis in a wide variety of economic models are also sought.

- 11-34 NATIONAL SCIENCE FOUNDATION - DEADLINE AUGUST 15, 1979

Social Indicators Program

Research proposals in sociology, social psychology, economics, and other fields aimed at the objective measurement of social change and changes in the quality of life are invited by NSF's Social Indicators Program.

11-35 NATIONAL SCIENCE FOUNDATION - DEADLINE AUGUST 15, 1979

History and Philosophy of Science

The National Science Foundation is interested in funding research activities in two areas. These are: 1) History of Science and Technology, and 2) Philosophy of Science.

11-36 RESEARCH CORPORATION - NO DEADLINE

Frederick Gardner Cottrell Grants

Through the Cottrell Research Grants Program, the Corporation supports basic research of originality and importance in the physical sciences at private and public universities. The emphasis of this program is support of fundamental investigations performed by faculty members early in their professional careers. Particularly speculative research of established investigators also is eligible for consideration.

1-37 THE ROBERT STERLING CLARK FOUNDATION -NO DEADLINE

The Robert Sterling Clark Foundation is interested in receiving research proposals for studies in the following program areas: 1) Examining the family in a changing society, and 2) Ensuring the effectiveness and accountability of public institutions.

11-38 NATIONAL SCIENCE FOUNDATION ANNOUNCES A NEW PROGRAM

A new research program in Information Science and Technology was recently announced by the National Science Foundation. Proposals in the following research areas will be considered for support: research leading to standards and measures by means of which the predictions of theory and the performance of information systems can be assessed; research on the structure of information; research on the behavioral aspects of information transfer; research on the development and use of simulation models (infometric models) to understand the flow of information.

11-39 INTERNATIONAL EXCHANGE OF SCHOLARS - FOREIGN STUDY OPPORTUNITY

The purpose of the program is "to enable the government of the U.S. to increase mutual understanding between the people of the U.S. and the people of other countries." Grants are made to U.S. citizens and foreign nationals for a variety of educational activities; primarily university teaching, advanced research & graduate study. Applications are due either June--Australia, New Zealand, and Latin America; or July--Africa, Asia, and Europe.

11-40 NATIONAL ENDOWMENT FOR THE HUMANITIES - UPCOMING DEADLINES

Consultant Grants -- June 1 Deadline; Centers for Advanced Study--June 1 Deadline; Summer Seminars for College Teachers--July 1 Deadline; Summer Seminar Participants; Summer Seminar Directors--July 1 Deadline.